

Nuclear Energy

Nuclear Energy: A Key Component of GE's Balanced Energy Portfolio

Global demand for energy is increasing. Combined with mounting pressures for a secure supply, fewer greenhouse gas emissions, and skyrocketing costs, the energy industry is facing many pressures. With products and services spanning all sectors of the energy industry, GE is committed to meeting these challenges with a broad and balanced technology portfolio for safe and efficient energy generation. Nuclear energy is a key component of GE's energy portfolio.

Today, nuclear energy supplies 16 percent of the world's electricity, avoiding the emission of nearly 2 billion tons of carbon dioxide every year that would otherwise be generated by fossil fuels. Over the last half century, nuclear energy has proven itself in reliability, consistent economics, low emissions, and safety. Throughout that time, GE has continued to innovate and maintain its commitment to the industry.

A Legacy of Excellence

For 50 years, GE has provided advanced technology for nuclear energy. GE developed breakthrough light water technology in the mid-1950s: the Boiling Water Reactor (BWR). Since then, GE has developed nine evolutions of BWR technology, including the first operational Generation III Class advanced light water design in the world—the ABWR—and culminating in its latest Generation III+ Class design—the ESBWR—which incorporates advanced safety features, improved economics and new operational efficiencies.



In 2005, 81 nuclear power plants based on GE's BWR technology had a capacity of nearly 74,000 MW of electricity.



GE also specializes in powering reactors with advanced nuclear fuel and providing reactor and performance services for both BWRs and Pressurized Water Reactors (PWRs).

Customer Focus

At GE, we want to create the best customer experience possible—from customer interactions with our employees, to our innovative products and services. To achieve that goal, our customer centricity model is based on two simple ideas.

1. Enhance our Culture: through innovation, behavior, and accountability.
2. Continuous Improvement of our Capabilities: with the right people, procedures, and tools for execution.

To support this, we will continue to drive improvements with quality tools like Six Sigma, Human Performance, and Lean Process, and focus on providing localized customer service that benefits from a global support infrastructure and capability.

Fast Facts from GE Energy's Nuclear Business

- President & CEO: Andy White
- Headquarters: Wilmington, North Carolina
- Other offices in San Jose and Vallecitos, California; Canonsburg, Pennsylvania; Peterborough, Canada; Kurihama, Japan; and, a global team of GE Energy sales support.
- 2,500 employees
- Worldwide nuclear power plants based on GE BWR technology: 81



Quality

To ensure the highest possible quality, GE follows a rigorous Quality Assurance Program and maintains ISO 9001 (2000) certification. GE has also embraced Lean Manufacturing and Six Sigma initiatives to help us continuously improve and meet the needs of our customers.

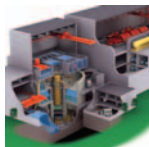
GE Energy Overview

As one of the world's leading suppliers of technology, products and services to the energy industry, GE Energy provides a comprehensive range of solutions across the energy landscape. From supply and conversion to delivery and utilization, we are uniquely prepared to fulfill world demand for reliable, clean and efficient energy.

Nuclear Solutions from GE Energy

Nuclear Power Plants...*Providing Cleaner Energy*

Superior technology and experience in reactors and plant design, construction, and maintenance to provide cleaner energy than other energy sources.



- Advanced Boiling Water Reactor (ABWR)
 - First commercially operational Generation III reactor design
 - Licensed in the U.S., Japan and Taiwan
 - Over 18 reactor years of experience
 - 5 plants operating; 3 being constructed; 9 in planning stages
- ESBWR
 - Being certified by the Nuclear Regulatory Commission (NRC)
 - Generation III+ Reactor
 - Simplified design, with natural circulation
 - Passive safety systems
 - Expedited construction schedule

Nuclear Fuel...*Designed to Perform*

Advanced fuel designs and optimization services through Global Nuclear Fuel, a joint venture of GE, Toshiba and Hitachi.



- Fuel Products and Services
- Initial Core and Reload Design
- Core Monitoring and Management

Community

GE employees are not only committed to their customers, but to their communities. Through GE-sponsored volunteer programs, we actively support youth education programs and community service projects to foster diversity in the community. Our employees donate time and money to local programs through the United Way of North Carolina—programs like the New Hanover County Schools, the YWCA and Girls Clubs, the Cape Fear and Children's Museums, Wilmington Symphony, and UNCW Diversity Program. GE's nuclear employees are also involved in the Rebuilding of Silicon Valley in San Jose, California.

Reactor Services...*Committed to Excellence*

High quality repair, modification, and outage services working to keep nuclear power plants safe, efficient and reliable.



- Total Outage Services
- Reactor Modifications and Repairs—BWR and PWR
- Reactor Inspections—BWR and PWR
- Dry Fuel Services
- Reactor Parts

Performance Services...*Realizing Potential*

Advanced products and services that enhance performance and safety.



- Plant Optimizations and Upgrades
- Life Cycle Management
- Instrumentation and Controls
- WaterCare™
- Consulting and Knowledge Management



For more information, contact your local GE representative or visit us at www.ge-energy.com/nuclear